

Photosynthesis Notes

6.L.1.2 Explain the significance of the processes of photosynthesis, respiration, and transpiration to the survival of green plants and other organisms.

What is photosynthesis?

A process in which plants make _____ and _____.

Parts of the leaf involved in photosynthesis

Chloroplast: Cell where _____ occurs

Stomata: Opening in leaf, _____ (oxygen, carbon dioxide)

Guard Cells: Controls opening in _____

In order for photosynthesis to happen...Plants need to take in... (INPUT)

1. _____ (CO₂)
2. Water (_____)
3. _____ (energy)

Steps of Photosynthesis

1. Plants take in CO₂ from the air through the _____
2. Plants take in _____ from the ground
3. Plant _____ absorb energy from the sun
4. Oxygen is made
5. _____ for the plant is made (main goal)

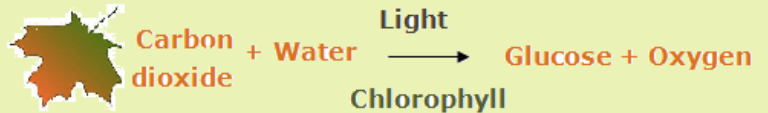
At the end of photosynthesis...Plants have produced... (RESULTS/OUTPUTS)

1. Oxygen (_____)
2. _____/food/glucose (C₆H₁₂O₆)

Photosynthesis Diagram:

Photosynthesis

Word equation



Symbol equation

